Washington City April 4th 1845.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

I have the pleasure to acknowledge your last letter of the 31st containing your final determinations. I trust with you that we shall not find it necessary to make any sacrifices at the end of the next Campaign — at the same time it is really wonderful to me that you have been able to make out so many of this collection, both the beautiful condition in which you will see those of the next, will be some amends for your labor. As we do not publish any appendix, I suppose you will think it not advisable to annex Dr. Gray's pamphlet to the report. I hope that you will succeed with the plate of the Fremontia you found that can always be put in at the last hour. We shall require certainly ten thousand, & probably twenty thousand impressions. I enclose a little note, on which I beg you to put the answers to the questions, if there are any, and enclose it back to me — They

Fremontia

refer to your last determinations. I made some unaccountable mistake in not sending you the missing numbers which shall be forwarded - All my manuscripts are complete.

Very Truly Yours
J. C. Frémont

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City April 8th 1865.

HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

I received your letter of the 4th last night.
As we cannot make full use of our botany for the present report I only refer slightly to the plants in the course of the narrative, rarely mentioning any other than are very characteristic. but I suppose it will be well to secure such as the Pinon pine, and the Spirolobium and I was desirous to have your advice as to the manner in which I should mention them. That is to say, I should like to know the briefest form, which would show that you had examined them, & that they rest upon your authority. Will the manner in which you give "Spirolobium Torr. & Frem." be sufficient? In the preface I have stated that all the plants were in your hands and that whatever was said in regard to botany rested on your authority — but that there had not been sufficient time for you to prepare a full

botanical account, which would be deferred until the next report.

I think that S. odorata is the best name for the tree, as its fragrance is very delightful & remarkable.

I am making every effort to get out at the end of this month but am very much impeded by business. I find it difficult to restrain my impatience when I see every thing coming into bloom & remember how many beautiful things for us beyond the Mississippi. In the mean time I am organizing my camp on the frontier and collecting my horses there. I go out this time well equipped. I have some beautiful instruments and my longitude will not have any longer to depend much on chronometers. I will either send you a proof or a copy of the map before I leave. I hope that I shall have an early reply to the question. In the meantime remain

Respectfully & truly yours

J. C. Frémont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

I think that I have seen varieties of the Spirolobium in that country, but will defer being certain until I get them again.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City April 18th 1845.

My dear Sir,

You are perfectly right about the black root, it needed only the smell of the little piece you sent to recognise the plant. In regard to the Intaler Col. Benton desired me to tell you, that he has no doubt Congress will pay for every thing of that kind.

I have always something to ask you. Will you perhaps remember, my having sent you when you were at New York, two little plants, the first I saw in bloom in coming out of the snows of the Californian Mts. I cannot, after much searching lay my hand on your letter, giving them their names, and I am afraid it will come up, when it is too late, and perhaps you can still tell me what they were.

I have made up my mind to send you from the foot of the mountains, through Bents' Fur Company the plants I shall collect up to that point: I see that many of the trees, particularly some fine oaks, you think are new; and as we have passed over the country several times, we should not let any one anticipate us in publishing them. If you find leisure to send me any pieces of our plants, they will reach me safely through the express, and will be very useful guides to me.

Please let me hear soon in answer to my questions:
and I will give you any specific information you
desire to have in regard to any arrangements
you may like to make about the plates.
In that, we may do any thing we like.

Yours very Truly
J. C. Frémont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City December 3d, 1844.

My dear Sir,

Having received no reply to my last letters to you, I conclude you must be in Princeton & have not received them as they were directed to New York. The last package contained the catalogue of all the plants except a few hundred for the latter part of 1843 - which will be forwarded as soon as you acknowledge the receipt of the others. Will you have the goodness to answer by the return mail that I may know the fate of the catalogue.

Very truly yours

J. C. Frémont.

CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.





Washington City February 7th 1846.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir,

This will be handed to you by Dr. James McDowell son of the Govr. of Virginia who is to accompany me as Surgeon in my next expedition. My Report is about to be ordered in the Senate and as I am obliged to publish it before I go I know you will not feel yourself urged if I beg you to assist me by giving what information you can relative to the botany of the country in order that I may give to it as much interest & value as possible & in some degree proportioned to the interest which has been raised in regard to it. Dr. McDowell happening to have a few days of leisure & prevailed on him to go to New York for the purpose of seeing as he could better explain to you than I how much pressed I am for time &

how much indebted I would be for
your assistance.

There will be about 10,000
copies of the Report ordered & as it will
be widely disseminated & am
exceedingly anxious it will go out with
every advantage our limited time can
give us.

Very truly yours
J. C. Frémont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City Feby. 26th 1846.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir,

Will you have the kindness to forward to Prof. Dale, a box which I have sent to Prof. Endicott. I have the pleasure to hear from Dr. Dale, who is getting on well with the fossils.

I enclose a form of the receipt used by the Department & if will please have it receipted for & much paid in the transportation & the boxes sent. Send on the draft immediately.

I send you a fragment of the Californian poppy as I suppose it Blue, Eschscholtzia Crocea, Californica

I suppose the specimens were so much injured that even this may help.

I will send you in an envelope this evening a few plants which I have found among my books — overlooked now forgotten, (Campanula rotundifolia)? Rocky Mts. abundant. (Viola Canina?) Rocky mts. & Strawberry Rocky Mts.

In addition to these above will be a fragment (all that is left,) of a very interesting leguminous plant with a deep yellow flower. It is highly characteristic of certain portions of the Rocky Mt. region

The plants will come in a public Document.

I have also some additional seed vessels of the new Accacia if you desire them — you will have to search carefully in order to find the

Thanks

Hoping I may truly

J. C. Frémont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City January 12th 1845

My dear Sir,

On Thursday last I sent by the transportation line a box of fossils for Dr. Hall. The Agent informed me that it would be in New York to-morrow but I could not learn whether it would be sent to Prof. Eaton's or whether it was necessary to send for it. I enclose a brief note relative to them which can be extended if it should be of use. The names which I have affixed to some of the vegetable fossils, depend only on my own knowledge as there is no one here to whom I could refer for the least information on the subject, therefore Dr. Hall will know what weight to give them. If it would not be troublesome to him I would be glad to have them again as this year I shall visit the same localities in order to examine as closely as I am able the interesting geology of that country. He had better break up one of the large specimens as he will find several different varieties of plants. Some of these appear to be entirely new. I would have been glad to send him all the different specimens of rocks in order that the little notice that I could make of the geology on this occasion might depend on his authority — and I am afraid to ask too much of him.

It will be quite a pleasure to hear from you whenever you find time. I hope that in the midst of your labors your health has been good which has not been altogether the case with me In fact my ill health has taken away much of the

energy so necessary for my work, which will account to you for my not having sent the specimens before.

In the box I sent you a cone belonging to the tree from which I sent you the nuts or seeds. You will find one of these contained under each of the scales. I also put in the box a mutilated cone from what I supposed to be Pinus Lambertiana — leaves about 2 inches long — in fives. Cones 10 inches long.

Yours very Truly
J. C. Frémont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Red Juniper Cedar
from Col Fremont
July 1848 -

Cypress ?

NORTH AMERICAN
HERBARIUM
COLUMBIA UNIVERSITY.



Washington City 22d June 1848

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

My dear Sir,

I have referred in the pamphlet on California, now being printed to the Red wood tree as "a Cypress (Thuya"). I sent you the drawing in order that you might be satisfied that it was not an abies. The Cedar to which we have referred in the report, as being from 120 to 130 feet high belongs to a different tribe; it, must certainly be a juniperus —, its foliage is much the same as that of the redwood, but it bears berries like those of the common cedar.

You will see by the pamphlet that it is not owing to particularly favorable locality that the Redwood, attained such great size mentioned

I have frequently measured them nine ten and eleven feet Diameter, and they are the tallest forest trees on the western coast.

I have been looking over

Douglass' notes on California, and think that he refers to the same tree, where he speaks of a species of Taxodium.

I daily expect our plants. The vessel which has them on board having put into Rio Janiero on her way home on the 28th of March. Please let me know if you think it safe to let the words "a Cypress (Thuya)" remain. I think it is about the truth.

I shall soon obtain leisure now to arrange for the journey west and will try to see you before going.

Yours truly

J.C. Frémont.

Dr. Torrey.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City March 11th 1853.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir;

Your favor of the 27th with the enclosure came safely to hand. I think that it would be unjust to you were I to write a preface to the catalogue of plants and would be assuming for myself a knowledge that I do not possess. I claim no other credit than what may be due to having collected them under circumstances of considerable hardship and privation. From the mouth of the Kansas river to the Red buttes, I had with me a number of carts which afforded means to transport the plants conveniently, but from that place our examination of the country was made on horseback. To accomplish the exploration on which I had been sent required very rapid movements and it was impossible for me to give to the plants the time necessary to arrange them properly. We were in a savage and inhospitable country, sometimes annoyed by the Indians and frequently in great distress from want of provisions, and when you join to these things the various duties which were constantly claiming my attention, you will readily make an allowance for the bad condition of the collection I sent you. It was made under very unfavorable circumstances, and in the intervals of very pressing duties.

Casting your eye on the small sketch I sent you, you will see that our line of road is generally along the bottoms of the Kansas tributaries and sometimes over the upper prairies. The soil of the river bottoms is always rich, and generally well timbered, though the whole region is what is called a prairie country...

The upper prairies are an immense deposit of sand and gravel, covered with a good and very generally a rich soil. Along the road on reaching the little stream called Sandy creek, the soil became more sandy. The geological formation of this position is lime — and sand — stone. The Amorpha was the characteristic plant, in many places being as abundant as the grass. From its mouth to the junction of its main forks the valley of the Platte generally about four miles broad is rich and well timbered, covered with luxuriant grasses. The large Purple Aster? was where the characteristic, flourishing in great magnificence. From the junction to Laramie's fork the country may be called a Sandy one; the valley of the stream is without timber, but still the grasses are fine and plants abundant. On our return in September the whole valley looked like a garden. It was yellow with fields of Sunflower which was the characteristic.

Between these two main forks of the Platte, and from the junction to Laramie's fork the formation consists of a calcareous marl, a soft earthy limestone, and a granite sandstone. In the region traversed from Laramies fork to the mouth of the Sweet Water-river the soil is generally sandy, the formation consisting of a variety of sandstones — yellow and grey sandstones with compact gypsum or ~~alabaster~~ a red argillaceous sandstone with compact gypsum or alabaster and fine conglomerates. The Sweet Water valley is a sandy plain about 120 miles long, and generally about 25 miles broad, bounded by ranges of granite mountains between which,

The valley formation consists near the Devil's gate of a grayish micaceous sandstone and fine grained conglomerate with a fine grained white sandstone. Proceeding twenty or thirty miles up the valley we find a white sandstone alternating with white clay and white clayey sandstone. At our encamp- ment of August 5th – 6th we found a fine white clayey sandstone – a coarse sandstone or puddingstone and white calcareous sandstone. A few miles to the west of that position we reached a point where the sandstone reposed immediately upon the granite, which thenceforward along our line of route alternated with a compact clay slate.

We crossed the dividing ridge on the 8th of August & found the soil of the plains at the foot of the mountains on the western side to be sandy, being the decomposition of the neighbouring granite mountains. From Laramie's fork to this point the Artemesia was the characteristic plant, occupying the place of the grasses, and filling the air with its odour of camphor and spirits of turpentine. On the morning of the 10th we entered the defile of the Wind river mountains.

I hope that what I have hastily said above will enable you to write a short preface to the catalogue and I would be exceedingly indebted to you if you could hand it with the 2d part of the catalogue in order that I may introduce it into the report. The work is now in the hands of the printer but I will delay its publication some days until I hear from you. Should you find it proper to refer in your preface to heights above the sea I will fill up any blanks you may leave. In a few days I will reply to some other points in your letter and in the mean time beg you to let me hear from you as soon as will suit your convenience, as I am exceed- ingly pressed & should be very sorry to publish the catalogue

SURVEY COLLECTION OF ECONOMIC GEOLOGY
COLUMBIA UNIVERSITY

incomplete.

Very truly yours

J. C. Frémont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

I had just written the above when I received your note & with the 2d. part of the catalogue. I am sure I need not tell you how much gratified I am that it has arrived in time for publication. I will put it to-day in the hands of the printer and the proofs shall be forwarded to you at Princeton as soon as they are struck. This letter is already very long & I will not add to it by expressing my thanks of which you are I know assured.

Believe me Yours truly

J. C. Frémont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir

I have this moment, near midnight received your packet & thanking you very warmly in advance for it I hasten to tell you that on opening first at the end of your letter I was surprised to find the Document on Coal which reached you contained no plants. They were very carefully put between smooth leaves, & most of them were in brown paper envelopes - Did you first open the Document yourself or could it have been opened previously? They were enclosed in the Report on Coals as Col. Benton thought it would be agreeable to you to look over it. I will write to you again soon & in the meantime remain Very truly yours,

J. C. Frémont.

Thursday night March 13th

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

[1845 — JMH, 13 Je 1935.]

Washington City March 23d 1845

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir,

I am delighted to know that you are at Princeton. The letters you have sent since you arrived there have been of great value to me. many of the plants you have determined were characteristic & very many are interesting. Purshia tri. for instance, extends over a great portion of the country west of the Rocky Mts. Fremontia vermicularis with other salvia shrubs is very abundant & in many places highly characteristic. The leaves of this plant have a very salty taste which perhaps you do not know. I think that the shrubs of that country, are very great in variety, & form probably the most interesting portion of the plants. Will you not give to the Pinus Piñon the name of your botanical friends. Will you not designate the acacia by some name.

No. 509 1844, is a plant, the root of which is extensively used by the indians as an article of

food, under the names of Racine à Talac and Black root. It has broad oblong radical leaves & a bulbous root. Many specimens unnumbered perhaps you might determine it.

No part of my report will go to the press before the end of this month & then I will print very slowly in order that we may avail ourselves as much as possible of your determinations.

No. 149–1844. This was from a large oak three feet in diameter – specimen taken in the first days of April – bears a slender acorn three quarters of an inch to an inch & a half long – which has a pleasant flavor. The Indians gather it in enormous quantities.

I enclose you a rough sketch from our botanical artist that you may judge how we shall do – I will write you a desultory line frequently & am with much respect

Truly yours
S. B. Jenison.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City, May 3rd 1848.

My Dear Sir;

I have just received with much pleasure your interesting note of the 1st Inst. which I will reply more at length. In the mean time I beg you to give me the name of the flower enclosed.

Very truly Yours,

J. C. Fremont.

Dr. Torrey.

Washington City

May 29th 1878.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir,

Mr. Fendler is to
pressed to finish his little
memoir for the donate, that
he has asked me to send
you the enclosed remnants
of plants. They are the
earliest flowering plants of
the Lagunas valley (Col.) and
he would be much obliged
if you could send him
very soon, their names.

Mr. Fendler, the French
botanist, made Mr. Fendl

a visit in which he
talked over his intended expedi-
tions, so he has seen him. &
He will have to go to
the north us. Frémont
hopes to see you before
leaving for California, which
he trusts will be in the
coming month.

Your wishes for my
successful journey are a
little premature - I shall go
by the steamers commence running,
a much less interesting, but
shorter voyage may for some

& Children. I should have written Byron daughter some time since to answer her kind message but for some months I have been unwell & since the last of April I have not left my room, but have had a battle with a violent bilious fever, which like Bunyan's fight with Apollyon was the dreadfullest fight I ever had. Like him, I come — ther I shall gain the victory & I am now better & shall write to Byron

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

Very Truly Yours Jesse Benton Fremont

Rec'd Nov. 18

Washington D. C. Nov. 16th 1842

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Sir

I transmit to you by to-day's Cars a Collection of Plants which I have made during the present year in the course of a Geographical Exploration to the Rocky Mountains. The region over which the collection was made, extends from the 39th to the 43d degree of North Latitude & from about the 95th to the 112th degree West Longitude. The labels which are affixed to the plants will enable us to assign them their exact localities on a Topographical Map of the Country which I am now engaged in constructing, based upon numerous Astronomical positions, & the Barometrical Observations which I succeeded in to the top of the Mountains, will give us their limits — In their present state I am afraid you will find it almost impossible to fix localities from the labels & I regret that I have no means at present to render them more clear.

I think that you will already

have heard from Professor Jeager on this subject. It will be necessary for me to annex a catalogue of the plants to my report, which will be required for the use of the Congress early in the Session. Mr. Jeager informed me that it would suit your present engagements to give the necessary time to their examination, that he felt assured you would furnish me with a Catalogue in a few weeks. Should these plants possess any interest for you, I trust that they will be an apology for the liberty I have taken. If is probable that next year I shall be sent to continue these Explorations to the Pacific, & I shall be very much gratified if you will take some interest in my researches & enable me to give to any thing I may find interesting in your Science, the authority of your name.

The Box will be left to your order at Mr. Ernest Berthoud's, No 8 Pine St. When your leisure will permitt, I shall be happy to hear from you & in the mean time, am

Very Respectfully

J. C. Frémont

Lieut. Topl. Engineers

COURTESY OF GRAY HERBARIUM ARCHIVE
HARVARD UNIVERSITY

Washington D.C. Octr 6th 1844

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

My dear Sir,

An absence from the city will account to you for this late reply to your last two letters, which I found here on my return. I am very glad to hear that you will be able to reduce many of the plants & still better satisfied to know that the botanical riches of the country are as great as I had thought. All your suggestions which regard the collection of Cryptogamia shall be particularly attended to & good and coloured drawings made of plants & trees, and since reading your letter I am very sanguine that we shall be able to produce a very interesting and valuable work. I have kept myself well informed of the movements of Lyell & Geyer and we much do our best endeavors to anticipate the English botanist. Geyer wrote to me from Fort Hall when I was on the Great Salt

He had made a large collection which he proposed to complete & carry to Europe the present year, embarking at the mouth of the Columbia. He is now on the north or main branch of the Columbia. I met Nuttall at the Cascades of the Columbia near Vancouver to which he was going. He had made no collection whatever, but proposed doing much work this year. The proposals for the sale of collections which you saw in the European papers were from Dr. G. Engelman of St. Louis. He had made arrangements with Nuttall & Geyer to dispose of their collections which should be delivered on the condition that Dr. Engelman should pick them out & they enjoy the pecuniary advantage from the sale of the collections which he engaged to dispose of, while all the expectation arising from their description should belong to him.

So far Seder has not succeeded and Geyer proved entirely faithless to his confidence, carrying off the plants & otherwise behaving very badly. Shall I send directly to the gentleman you recommend. Will he work for us in good faith for such salary as I can give him, & what profit as may arise from the sale of the plants? If you are certain that he may be relied on for these things I will certainly try to do what you desire & take him with me. Tho' I have proceeded somewhat far in an arrangement with another person who would be satisfied to aid me in gathering the plants for a stipulated Salary. Still I should like better the gentleman you mention & should take pleasure in aiding him in any way possible as you describe him to be poor & dispirited. I would be glad if you would advise me to determine some fossil remains, belonging to a bituminous coal formation, which I brought among my specimens. They are very interesting & important to me in fixing the geology. If you think you can find leisure I will send them to you.

SURREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

I thank you for your offer to bear a portion of the expense of transporting the plants, but it was small & I beg you will not think of it — Yours very truly

J. C. Frémont.

LIBRARY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Upon Official Business
Bureau Topographical Engineers

J. J. Abert
Col Corps T.E.

Gen. John Torrey.
Princeton
N. Jersey

PRINCETON N.J.
OCT 1

Washington, Sepr. 3. 1848.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

The settlement of my affairs in order to my long absence has so totally engrossed me that I have been forced to neglect my friends, and with them other more agreeable business. nothing which had in it the name of California could pass the House this session, and with other things, our appropriation for the survey was lost there. I set out from this place on Wednesday or Thursday morning, remain one day in N.Y. and go on to Milstone from which I shall set out for California about the end of this month. Being in the winter our journey will be a severe one, but I hope to reach California early in December. I shall send you plants such as the season may afford by the first or second steamer (February or March) and you may rely on my exploring the country about Mt Shasta (Shastl) early the next spring. All our plans will be carried out. Col. Benton desires me to say to you that at the next session (this winter) he will procure the means ~~for &c~~ sufficient to cover all the expense attendant upon the examination of the plants, and upon the Engraving and publishing our work in the style you suggest. He will want a letter from you upon the value of the plants and the value of the work, and will communicate with you for that purpose. So that you may be confident of our ultimate success, and in the meantime I will make a good harvest in California. Prof. Henry told me some weeks since that he would publish any thing you could furnish him with from the plants. In all this please act act as you judge best. I would be glad to have

a line from you, and letters sent to Col. Benton here will be forwarded to me. Mrs Fremont will send you (from my journal) the localities &c of the plants of California. Some brief memoranda of plants gathered between Bents' fort and the Salt Lake are sent by this mail. They refer to such plants only as I had not had time to label when they were gathered on the march or in my absence. I will afterwards send you the list of the plants gathered between the Missouri frontier and California.

I do not think that I have told you that I have a son about five weeks old — Mrs Fremont is doing well. I will write again and am my dear Sir most truly yours,

J. C. Fremont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Prof. John Torrey,

Princeton.

those include all the material necessary
I think my dear Sir — The selection I
leave to your judgment. The letter
from which I quote first, was
prepared by Mr. Fremont for publication
but the reason for its not appearing
although sufficient at the moment, may
only for the moment, and Mr. Fremont
asked of me to watch for the right time
and have it published, as all the reasons
which induced him to publish it, only
became the more forcible with time.
The name of the person to whom the
letter was addressed, is not of present
material at this time — if needed it can
always be given.

HARVARD UNIVERSITY
HERBARIUM
COLUMBIA UNIVERSITY.

It tells the
whole reasons of his journey so clearly and
at the same time with such characteristic
modesty that I am glad it is to come out

I think everything contained in it but Frémont had already told to you when he met you in New York this Summer. You should have had this the day following my seeing you but I have been really ill & only this morning am able to use again. It is too late for Silliman's Journal will You please return it to me at

in that case I will try to find some other paper equally creditable abroad, as one strong motive in publishing it is to give Baron Humboldt & others who take interest in such matters, another idea of what Mr. Frémont is doing.

Perhaps the best and most memorable part of his journey was the fortitude with which he returned to it after being worn down with incessant pain for weeks. In my position I was denied the utterance of such sentiments but when I saw him ride from his suffering and resolutely abandon the care and comfort so grateful to him, to follow out his work at every risk, I honored him more than words

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City April 7th 1845.

FORMER CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

I received safely your letter and the package containing plants, which I delayed acknowledging as I had just written you a line. The chenopodiaceous shrubs as you have probably judged form a striking feature in the vegetation of the country, and I will take some pains in having them well figured. There will be a greater number of the Frémontia plate required, than I supposed — I find one shall want 11, 335. I am glad that you found a good piece of the plant. Col. Benton says it will give him pleasure to send you any documents that may be of interest.

I am, my dear Sir
Very truly yours
J. C. Frémont.

D. Nuttall
Philad

[about 15 Ap 1845 — JAHB, 13 Je 1935.]

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir;

Your letters of the 10th, & 13th, were received together last night. Far from wearying & your letters [illegible] I never see the handwriting on the address without pleasure and your enthusiasm for botany hardly surpasses my own, although scarcely justified by my slight knowledge. As you know I have the most leisure please write whenever you have any suggestion or information to communicate and I will answer as promptly as pressing business will now permit. I know answer seriatim. Wulfo Geyer be the German botanist, I have no idea who it can be, but we will try in the coming expedition to go beyond him. I will send you the notes on the Fremontia to night, and will take care about the extra copies, and more of the report. I like your idea of publishing from time to time when I am gone and if I can make a safe opportunity I will send you a collection from the foot of the mountains in the Summit. the I can arrange to have as many plates [illegible] for

as you choose to prepare and shall engage a friend to attend to it in my absence. I send you the only copy of Nicollet's report we have by us — if you mean Espy's report for 1841 I can also send you a copy of that. In reply to your note of April 11th I am greatly pleased with your plan for a popular work & supplement to Michaux. I am satisfied that there is a large and extraordinary variety of trees — the Government will pay for the plates.

In reply to April 13th I'll be glad to get your descriptions. They will form what we really want for the present work. A brief notice of the Value of the Botany and a few descriptions (authorities) of plants that we ought not to lose

I am with great respect
Very cordially yours
J. C. Fremont

TORREY BOTANICAL CLUB
HERBARIUM
COLUMBIA UNIVERSITY

Please send me any of the plants you examined the express will bring them to me very carefully. The unnumbered specimens of Tobacco root, or black root (Valeriana) were with among the Kansas plants — they were gathered about the 26th May 1844, on the Utah Lake, west of the Rocky

LIBRARY
FLORIDA UNIVERSITY.



Fl. of N. India

Lobelia Cardinalis,
Bartram's Garden
Aug. 1st 1806



Erigeron Canadense

Washington City Dec. 30th. 1844.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir,

I trust that because I delayed answering you for some little time that you will not think that I am not very anxious on the subject of the rocks & plants — on the contrary I am becoming more so as the time at my disposal becomes shorter. I have for some time past been too unwell to devote myself to labor & I have also very many calls upon my attention.

I received your last letter with a great deal of satisfaction as it contained very many agreeable things. The determination of the fossil specimens which I send you, and the botanical information which I hope you will be able to furnish me, will enable me at once to finish my report. These subjects you know are spread over the whole of the work and as their introduction would be to re-write the Report, I have deferred it until I shall receive it.

Could not your friend Dr. Kurrschein aid in determining the grasses &c? I would be glad to allow him a proper compensation for it & in that way you might be saved a great deal of trouble & I would get the information in

time besides giving him employment which would bring him some little money.

I shall send boxes containing specimens for Dr. Dall by the transportation line agreeably to the address you gave me & will let you know what time they will be in New York. He will think them a poor collection but I beg you to tell him that they are merely the wreck of what I had obtained. I send them all to him & he will find among them little pieces & scraps of rock which have no apparent interest but I consider every geological fact, which can be collected, of importance in that extensive region & therefore I have held on to every thing. I was desirous that all of the birds I would have to say on this subject should be based upon his authority but if his time should not permit him to examine all of them the box marked No. 1 will contain the fossils & the others might be returned. The numbers attached to each specimen correspond with those in my books & if it would be of any advantage to Dr. Dall I could send him a list of their localities. May I beg you to mention to Dr. Dall the urgent want I have for the results & much beg you not to be offended at my having so repeatedly pressed you for the botanical knowledge as I am really ashamed on account of it. I am anxious to get through with the binding of the last campaign in order that I may prepare carefully for the next

I enclose you some of the seeds of a species of
Coniferæ (No. 367 of 1844) & found two years ago
in 1843. These seeds contribute largely to the
support of Indians & I am anxious to know what
the tree is. I shall be glad to hear
from you soon — Yours very truly
J. C. Frémont

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City Feby. 24th 1848

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir,

I had just sent you a little inquiry about some seeds I wished to take to Cali-fornia, when I received yours kind letter of yesterday. When I resigned my com-mission of Lt. Col. of Cavalry, I gave up also my commission in the Topl. Engineers, which had in fact been vacated by my acceptance of the former. I have therefore entirely withdrawn from the public service; but I am deeply gratified with being able to assist you that our work will still go on, and that I even hope to be able to give to it a greater extent and beauty than we had before anticipated. This, although only a hope at present, will, I have great reason to believe be verified, and in the mean time I am permitted to assure you, that there will be no interruption

in working up the materials that we have already collected. So soon as I obtain more certain knowledge, I will write to you again and in the mean time I would be glad to know at what time you propose visiting this city.

I thank you sincerely and earnestly for the expression of your sympathy. Throughout this business I have lacked my judgement to do what was right, and it will be a high gratification to know that my friends approve my conduct.

A short time since I petitioned Congress to buy the debts accruing from our operations in California and the Military Committee have been occupied in examining the subject. They have reported the bill, and the result of their examination & the Senate which has ordered 20.000 extra copies to be printed. I will send you one.

Mrs. Benton & the family join in regards to you.

With much regard I am Yours very truly
J. C. Frémont.

Dr. John Torrey,
New York.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City February 24th 1848.

My Dear Sir,

I am about sending to California a number of seeds, and would like to have your opinion as to whether they should be simply in paper envelopes, or soldered up in tin boxes. I am also sending slips of vines & would like to know from you the best way of preserving them during the long sea voyage. May I ask for an early answer, as the vessel leaves shortly for California.

Very truly Yours,

J. C. Frémont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.





COLUMBIA UNIVERSITY.

367. 1844

A remarkable species. without cones.
Probably a Pinus though the leaves
are almost all solitary! — only two
or three being found double in the
same sheath!

Washington City. July. 27. 1845.

DORNEY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir,

In looking over the list of
plants the words which I have underco-
-red in the above struck me for the
first time to-day & I has to tell you
that in the first box of fossils
which I sent some weeks ago to
Dr. Dale, was a cone for you in
good preservation belonging to that tree.
As there were many specimens of the
same tree the cone was probably
referred to another number. I also sent
you some fruit or seeds of the same
in a letter. I am very much
interested in this particular tree.
Among the plants was a small bundle
or sheaf of sweet scented grass from
Grand river of the Rocky Mts. It was
not labelled. Can you tell me its name?
Can you tell me the botanic name
of what is commonly called in the west Buffalo grass?

a very short succulent curled grass having
a small reddish blossom.

Yours very Truly
J. C. Frémont

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City June 4th 1848.

HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

I send you this sketch, from memory of the tree about which I wrote you, & which you thought was probably Abies Douglasii. It is called the Redwood in California, and I have measured them 275 feet high and 10 to 15 feet in diameter.

I shall be glad to send you the proof sheets of the short memoir I am finishing, that you may pass judgment on the few botanical remarks which are introduced. I suppose they will reach you at Princeton?

Very truly yours

J. C. Frémont.

Washington City
March 30th 1845.

TORREY BOTANICAL CLUB
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

I was not able to distinguish any difference between the blue flax of the Rocky Mt. Country, & the common blue flax of cultivation. Will you tell me if I shall do wrong in calling it Linum usitatissimum? If you have it at hand please send me when next you write, a little piece of Lynodiris graveolens.

With respect I am
Ever truly yours
J. C. Frémont

TORREY BOTANICAL CLUB
HERBARIUM
COLUMBIA UNIVERSITY

Washington City, March 12. 1848.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

I have received both your letters of the 6th. and 9th., and ~~feel~~ pleasure in making a satisfactory reply. I have good reasons for believing that I shall receive aid from the government in carrying on the work, and am now making my arrangements in that expectation. Perhaps you will be able to give me the approximate amount which we shall require for our botany, as I should like to include it in ~~the~~ general estimate. Although Douglas, Nuttall, & Gambel have done a great deal yet I am persuaded that much remains to be done, and that such an expedition as I now propose to make would collect rich material for the work. Perhaps we could safely base our estimate on eighty quarto or a hundred and fifty octavo plates.

Mr. Kern, of Philadelphia, a brother of the artist who accompanied the last expedition, will go with me on this, and from what I have seen of his work you may anticipate beautiful drawings.

I should have been glad to have some little conversation with Mr. Nuttall before going out.

Is he likely to come this way? If you can do so conveniently please procure me a copy of his Gambel memoir when it comes out. Dr. Wislizenus' book is not yet published, but so soon as it is I will send the catalogues. I enclose you a draft for Mr. Endicott and a bill made out in proper form. The Departments here are fond of giving trouble and require every thing their own way. I think the charges are quite moderate and the work appears to me extremely good. I like very much your idea of importing an artist. I have always understood that while we fairly compete with Europeans in work on steel, they far excel us in lithography. It has been however suggested to me that this may be partly owing to the fact that we print on muslin paper, and they on linen; the latter being much the best. I think it would be best to purchase the stones from Mr. Endicott.

I regret to know that you will not be able to visit Washington again, and must try to get along in stead by frequent letters. It would be a very agreeable thing indeed to my wife if your daughter could carry out her inclination, and make a visit with her to California. Steam will soon make all this easy. But Mrs Frémont

will write for herself and continue as well as she can on paper an acquaintance that she would have had much pleasure in making personally.

I have to thank you for the pamphlet sent me, and will be grateful for any aid of the kind that may occur to you.

Mr. Endicott can sign the bill and send it to me under cover to Mr. Benton.

Have you tried the effect of drawing the plants with crayon? ~~instead of~~ I believe that greater depth of shade and finer effect are to obtained, but I suppose you think these less important than the clearness of outline in Mr. Endicott's present type.

very truly Yours,

J. C. Frémont.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City, March 22d 1848.

JOURNEY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir, After taking the trouble to gather plants I do not think we ought to lose them, even the scattered fragments which I find here & there in my note books. I shall therefore send you such as I find, and will beg you to return them to me, with a name if you have leisure. It may happen that I can make the knowledge useful.

Very truly yours

J. C. Frémont.

JOURNEY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

Yours of the 25th from New York, I have this moment received & immediately reply in order that you may lose no time in having the Testimonials engraved which I beg you will have commenced at once. Will you accompany it with a description? If so I will send you a list of the localities to which it belongs — general & particular.

I will write again by to night's mail & send by the same a Pub. Doc. Containing plants.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Very truly yours
J. C. Frémont.

Thursday March 27th 1845
Washington City

Washington May 5. 1848.

HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

I mentioned to you that I am drawing up to be presented to Congress a brief memoir upon California. It is intended to give some data for forming an estimate of the real value of the country, particularly required at this time, and will contain what facts I am able to give in relation to books journals and collections) climate general appearance, elevation and vegetation in different seasons. I therefore am obliged to make use of what little botanical knowledge in my possession. If you have no objection I will mention the oak under the name Quercus longiglans. The fruit in the drawing sent is of the natural size, and the tree a very large one frequently 6 feet in diameter.

In mentioning trees I am anxious to be as exact and definite as possible, and will thank you

of the Sierra Nevada, California.

for the name of the large cedar (juniperus) brought home in our previous voyage, and also of a large tree belonging to the division of cypresses, probably brought in at that time. It is called Palo Colorado by the Californians, or Red wood. During our last journey I measured some 15 & 17 feet diameter and 285 feet high. Our present collection has many specimens in almost every stage of growth. The fruit grows near on the upper parts and is a small ~~tree~~ cone  .

~~I have at~~ This memoir I expect to send in next week, and would be glad to hear from you immediately. I have not yet received Mr. Breckenridge's note. Probably the plant is already in our collection, but as I shall not know any thing on this point I will do what I can to find it. In looking over the few lots I have here I find that our collection is very rich, containing in addition to the plants, many seeds. Col. Benton will see that it reaches you safely. It is on board a ship of war now on her way home, and which is expected to reach Norfolk in about a month. When the immediate press of business is over, we will arrange our plans for the coming winter.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Very truly Yours,

J. C. Fremont.

Dr. John Torrey.

Washington City Nov. 1st 1849.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

My Dear Sir,

I have been daily promising myself, the pleasure of a long letter to you but accumulated business pressing upon deranged health, has daily diminished my [illegible] this and many other attentions to friends whom I have seemed to neglect. Whenever I think of California and [illegible] you come in also, & this subject of frequent thought arising in my mind this morning I write a line before becoming involved in the business of a trial which will occupy all my time and not improve my health.

I enclose a little flower, the name of which I should like to know, and which you will remember as being among our California plants in the previous collection. You know that this

pleasant work was interrupted in California, but notwithstanding the collection was good, and agreeably to your suggestion sealed up in air-tight cases. I was obliged to leave them behind in California, but expect them by the first vessel which shall arrive. As soon as I receive them I will put them at your disposition.

It will confer to you that it was matter of great regret to me to loose the J. peninsularis.

I hope to hear from you soon, and am

Very truly yours

A. C. Freémont,

Dr. John Torrey.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Washington City Nov. 21st 1844.

My dear Sir,

I send you herewith a list of localities for the plants of 1844. Those for '43 I will send you in a day or two as I did not wish to make one such large package. These are simply the descriptions annexed to the plant when first taken both the greater part of these plants are noticed repeatedly through all my journals, & their localities extended with additional information respecting them — but as I am much pressed for time & this list has already amounted to fifty pages I thought it better to wait — until you ascertained what plants could be recognized —, when I will send you the additional information. In the other package the numbers go as high as 800 — making about 1500. Nearly all of the plants gathered on the Kansas were not numbered. I was somewhat discouraged by the accident to the others — You will recognize these by the large numbers without labels. If you could conveniently do so, it would give much additional interest to my Report, were you to furnish me with the botanical names of the grasses &

CORNELL CORRESPONDENCE
COLLECTION
COLUMBIA UNIVERSITY

characteristic plants to. For this like of use it would be necessary for me to have it in a couple of months as my Report much be out then. I do not know if this is exactly proper to ask this of you but I have such so many losses in my collections on which I relied very much, that I must do all that I can to give some value to my Report. Please let me hear on this subject as soon as you have leisure. Will you please know how I shall send our Geological specimens to Prof. Hall? or may I send the box to you & he is in his York? There does not need remain much time & I am anxious they should be in his hands as soon as possible. The arrangements for our expedition go on handsomely, I am having excellent instruments made & myself engaged in hard study, among other things descriptive Botany & I am in every possible way forwarding my arrangements, so as to be able to take the field early in the Spring. You may depend that I will bring you something handsome before the winter of '45.

the much have the geological presentation geographical position & elevation above the sea — for all our plants. This with the colored figures of the new species will make a solid work. I also send you through the mail, two copies of my Report of '60 which I am glad to have been able to procure for you.

Very truly

J. C. Frémont.

HERBARIUM
COLUMBIA UNIVERSITY.

Washington D.C. October 28th 1864.

CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My Dear Sir,

I write you a line to say that
constant occupation has prevented my replying
to yours as I have been endeavoring day
after day to find the time to make you
out a copy of notes for the plants.
I think I shall be able to carry out many
of the suggestions contained in your letter.
Col. Abert shewed me a letter from Dr Grey
in favor of Dr. Wyman. In case any
arrangement should be made with Dr.
Wyman, it will be necessary that he
receive his salary from the Department
and report to it. I have not been
able to find a single copy of my Report
but if I should succeed in obtaining any
I will send them to you. I would be
much obliged by you if you could give
me the name of the enclosed little plants.
It was the first flower I found in bloom on
descending from the California Mts.
I write again very soon—

Yours Truly
A. C. Frémont.

CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

Washington Septr. 15th 1844.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

Your letter arrived yesterday evening and I read it with almost as much pain as gratification. I felt much gratified with the very flattering manner in which you speak of my Report, and at the same time felt regret and mortification at my inability to do any thing such now in furtherance of the plan we had proposed to ourselves when I set out upon the recent campaign.

A fatality seemed to attend our plants in this expedition. The collection between Fort Hall (on Lewis' or Snake river) and the Bay of San Francisco, in Upper California was entirely lost by a fall of the mule on which it was packed, from a precipice into a torrent. The animal was killed and the bales could not be recovered. From California to the forks of the Kansas river, I had made a collection which would have been full of interest to you. I have never seen anything comparable to the profusion and variety of plants in the country thro' which I passed. I am satisfied that very many of the plants & shrubs, as well as several trees were entirely new, & I had with great labor ascertained from the Indians

the medicinal qualities of many, and had obtained all those which they used in any way for food. With these latter I was also acquainted from having used them myself, and the use of the former had witnessed in several important cases. I had carefully studied the vegetation through every mile of the region travelled and made full notes. In addition to our complete publication separate from the body of the Report, I had intended that we should give interest & value to the narrative by inserting in it, 0 for each day along the line of trail, the characteristic shrubs & plants of the region, which as the country was a waste, desert and mountainous, & generally devoid of Timber, between the Californian & the Rocky Mts. formed a peculiar & highly interesting growth. You will form some idea to yourself of the floral richness of the country from the Jack Rabbit distance of twenty five miles I traversed the fields of red & orange flowers along the edges at the foot of mountains for strata of parti colored rocks. Though in the course of our journey the Bales of plants had been twice wet, yet they were in very beautiful order when we encamped on the upper waters of the

Kansas on the 13th of July, 3 in the course of which night it began to rain violently & towards morning the river which was 100 yards wide suddenly broke over its banks, becoming in less than 5 minutes more than half a mile in breadth. Everything we had was thoroughly soaked. We were obliged to move camp to the Bluffs in a heavy rain which continued for several days and our fine collection was entirely ruined. I have not had a severer trial of my fortitude. Strength I send them along and such as they are. I send them to you. They are broken up & mouldy and decayed, and to day I tried to change some of them, but found it better to let them alone. Perhaps your familiarity with plants may enable you to make something out of them. You will find them labelled with numbers which correspond to the numbers of notes in my books, which I will copy & send to you in case you can do any thing with them. I shall probably be in New York soon & could indicate the localities of such as are not labelled. From the wreck of our fossil collection I saved some in which the vegetable impressions seem to me very plain & beautiful. Could you aid me in deciphering them? If so I will send or bring them.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

From the moment the plants were lost, I had formed a determination which has been strengthened by your letter — to return immediately to the interesting regions I have described to you, with the main and leading object of making amend such a collection as will enable us to give a perfect description of the vegetable character of the whole region. Its interest will of course be increased by large additions in Geography & Geology as we shall run an entirely new line in going out. I beg that you will keep this plan in view in your examination of the plants I now send you, as we may possibly be able to connect them with those I shall gather next year. Silence is one of the elements of success, and therefore I know that you will excuse me for telling you that I mention this plan only to yourself & shall speak of it to no one else. I have 60 or 70 fine mules & horses at pasture on the frontier and shall immediately commence my preparations so as to leave the frontier early in April, about the 1st — and shall certainly be again on the frontier early in October of next year (1845.)

CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY

In order to have efficient assistance in preparing & changing the plants &c - I take with me a young German gardener who has had the botanical education which they usually receive. He shall also have colored figures of the plants. I trust that you will enter warmly into my enterprise & give me in the course of the winter whatever suggestions may offer themselves to you, tending to ensure our success.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

I must not omit to inform you that our geographical labors were attended with a beautiful success. We have passed through a country new & full of interest every mile of which we have sketched in our field books, supported by several columns of astronomical positions. All my notes of every kind are well preserved and enough remains from the Geological collection to determine much positively & next year will add a great deal. I am very desirous to study these remains with some good Geologist, conversant in fossils & it would be very important to me to endeavor to add something to the little knowledge I have of practical botany.

Altogether I shall have a busy winter, in writing a Report of the last campaign which must be presented to Congress before March, & in preparing for another. The plants will leave this place Tuesday morning & will drop you a note where to find them. You will find a small parcel containing some of the fruit of an accacia (?) of which I have been able to find no description. If not destroyed you will also the find leaves & fruit among the plants in the paper. Among the plants you will the wood of the artemisia (a tridentata) & a salt shrub which I can indicate to you among the plants by the number. The mat I thought would interest you, as it is made from the Ammoli a California plant which is in the collection & will be recognized when we compare numbers. I conclude now this disjointed letter & hope to hear from you soon in reply.

I am my dear Sir

Very truly your

J.C. Frémont.

Dr. Torrey.

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.